Datasheet

Nyos

Nyos 12W Edge-lit circular LED panel downlight, 6 inch, 4000K

The Kosnic Nyos Circular LED Panel is an easy-to-retrofit replacement for downlights. These advanced panels are suitable for all areas, including visually demanding non-transient task areas such as offices and educational premises where users require uniform light to maintain well-being. The Kosnic Circular LED Panel offers Edge-Lit technology to achieve constant light across the surface of the luminaire.

KPNLLS12CF-W40-WHT (06103)

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Leading designers, manufacturers and established experts in LED technology

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Kosnic Lighting France - 2bis avenue Irène Joliot-Curie, 77700 Bailly-Romainvilliers, France

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Specification

Voltage (eg 220-240 Vac 50/60Hz)	220-240Vac 50/60Hz
Current (mA)	56
Rated Power (W)	12
CCT Words	Warm White, Cool White, Day Light
CCT (K)	3000, 4000, 6500
Nominal Lifetime (h)	40000
L70B50 Lifetime (h)	50000
L80B10 Lifetime (h)	50000
L90 Lifetime (h)	32000
Total Luminous Flux (lm)	710 (3000k), 780 (4000k/6500k)
Power Factor	0.93
Blue Light Hazard	RG1
Glow wire temperature(℃)	650
Dimensions L x W x D (mm)	27 x 176 ø
Cut-Out (mm)	160
Weight (kg)	0.314
In-rush current (peak/duration) (A)	14.5 / 60 us
Protection Rating	Class II driver, Class III panel
IK Rating	IK04
IP Rating	IP20
Ambient Temperature Range (°C)	-20 to 40
Driver Part Number	CYC012SNL030N
Ripple Current (%)	<10
Output Current (mA)	300
Dimensions (L x W x D) (mm)	102 x 42 x 25
Input Voltage	220-240Vac 50/60Hz
Maximum Input Current (mA)	125
Maximum Power (W)	12

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Output Voltage (Vdc)	24-40Vdc
Maximum Case Temperature (℃)	-20 to 50
Depth (mm)	10

Light Source Specification

Lighting Technology Used	LED
Directional / Non Directional (DLS/NDLS)	NDLS
Light Source Cap Type (or other interface)	Connector
Mains / Non-Mains (MLS/NMLS)	NMLS
Connected Light source (Y/N)	N
Colour Tunable Light Source (Y/N)	N
High Luminance Light Source (Y/N)	N
Anti-Glare Shield (Y/N)	N
Dimmable (Y/N/Specific dimmer)	N
Energy Consumption in on-mode (kWh/1000H)	11
Energy Efficiency Class (NEW FORMULA)	E
Useful Luminous Flux (lm)	1270 (3000k), 1300 (4000k/6500k)
Beam Angle correspondence (in 360°/120°/90°)	360
CCT	3000k, 4000k, 6500k
On-Mode Power (Pon) (W)	10.5
Standby Power (Psb) (W)	0
Networked Standby Power (Pnet) (W)	N/A
CRI	82
Height (mm)	140
Width (mm)	140
Depth (mm)	10
Chromaticity Co-Ordinates (X)	0.440 (3000k), 0.380 (4000k), 0.310 (6500k)
Chromaticity Co-Ordinates (Y)	0.403 (3000k), 0.380 (4000k), 0.336 (6500k)
Peak Luminous Intensity (DLS) (cd)	N/A
Beam Angle (DLS)	N/A
R9 CRI (LED/OLED)	3 (3000k), 10 (4000k), 12 (6500k)

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Survival Factor (x.xx)	0.9
Lumen Maintenance Factor (x.xx)	0.96
Displacement Factor	N/A
Colour Consistency in Mcadam Ellipses (Mains LED/OLED)	N/A
LED light source replaces flourescent withouth integrated ballast of particular wattage (Mains LED/OLED) (Y/N)	N/A
Replacement W Claim (Mains LED/OLED) (W)	N/A
Flicker metric (pst LM) (x,x)	N/A
Storboscopic effect metric (SVM) (x,x)	N/A

Optional Gears and Accessories

Accessories 1	Dimmable driver CYC030TDC30-94
Accessories 2	Emergency module UEM06
Accessories 3	Self-test Emergency module UEM02/ST

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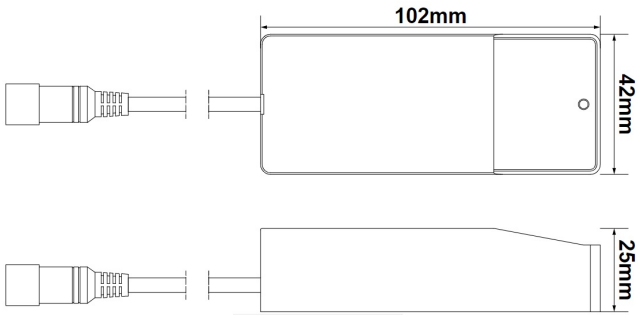
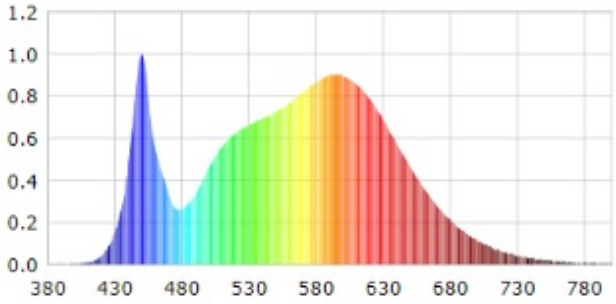
Technical Drawings



12W – 4000k



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